

IN THE SPECIFICATION:

Please add the following new paragraph after paragraph [0021] in the specification:

FIGS. 8A and 8B show an embodiment where the length measuring device incorporates a counter bored end.

Please change the last sentence in paragraph [0023] per the following:

The use of small spherical sections also removes the need for a particular rotational orientation between the two surfaces.

Please add the following new paragraph after current paragraph [0050]:

In **FIG. 8A**, the rigid member **105** end has a cylindrical **801** counter bore for a more precise measurement by touching spherical shape **106** in a highly repeatable manner. In **FIG. 8B**, the rigid member **105** end has a conical counter bore. In both **FIGS 8A** and **8B**, the spherical shape **106** is firmly attached to frame **101**.